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**(54) CATALYST FOR REDUCING NITROGEN OXIDE
AND REDUCTION OF NITROGEN OXIDE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a catalyst for reducing NOx in an exhaust gas containing only relatively lower hydrocarbons such as the combustion exhaust gas of natural gas, which has enough low temperature activity and durability even in an exhaust

gas containing water vapor, or the like, and to provide a method for reducing NOx using this catalyst.

SOLUTION: In a catalyst which contains at least a crystalline metallosilicate with Co ion-exchanged and reduces NOx by hydrocarbons under excess oxygen, the average diameter of the primary particles of the crystalline metallosilicate is 0.01-0.2 μm .

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